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PATENT ABSTRACTS OF JAPAN

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UEDA YASUTOSHI(54) ELECTROSTATIC PRECIPITATOR AND METHOD OF BACKWASHING AND SCAVENGING
SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To wash electrodes with water in order to remove dust and then to shorten the time that elapses before the electrode surface is dried.

SOLUTION: In order to remove dust stuck on discharge electrodes 6 and dust collecting electrodes 7, water is sprayed to the electrodes 6, 7 from water spray nozzle 8 with an inlet damper 4 and an outlet damper 5 of one dust collecting pass 3 closed. After that, clean air is taken through backwashing and scavenging pipe 20 by a scavenging fan 22 and heated by a heater 23. The heated clean air is blown from air blowing nozzles 21 toward the electrodes 6, 7 which has been washed with water to dry the electrodes. Electrodes in other dust collecting passes 3 are also similarly rid of dust one after another.

